

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				Application Number	10/727,908
				Filing Date	11/30/2004
				First Named Inventor	Bill Pope
				Art Unit	3774
				Examiner Name	Amanda Walker
				Attorney Docket Number	3772.DIMC.CN
Sheet	1	of	5		

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		2947608	Aug-60	Hall	
		2947609	Aug-60	Strong	
		2947610	Aug-60	Hall et al.	
		2947611	Aug-60	Bundy	
		2992900	Jul-61	Bovenkerk	
		3031269	Apr-62	Bovenkerk	
		3297407	Jan-67	Wentorf, Jr.	
		3423177	Jan-69	Bovenkerk	
		3488153	Jan-70	Bundy	
		3574580	Apr-71	Stromberg et al.	
		3597158	Aug-71	Horton	
		3702573	Nov-72	Nemeth	
		3865585	Feb-75	Rademacher	
		4012229	Mar-77	Herchenroeder et al.	
		4089933	May-78	Vereschagin et al.	
		4104441	Aug-78	Fedoseev et al.	
		4231762	Nov-80	Hara et al.	
		4259072	Mar-81	Hirabayashi et al.	
		4260203	Apr-81	Garner	
		4260397	Apr-81	Bovenkerk	
		4380471	Apr-83	Lee et al.	
		4410054	Oct-83	Nagel et al.	
		4454612	Jun-84	McDaniel et al.	
		4470158	Sep-84	Pappas et al.	
		4518659	May-85	Gigl et al.	
		4525178	Jun-85	Hall	
		4525179	Jun-85	Gigl	
		4610699	Sep-86	Yazu et al.	
		4662348	May-87	Hall et al.	
		4668290	May-87	Wang et al.	
		4714468	Dec-87	Wang et al.	
		4729440	Mar-88	Hall	
		4755185	Jul-88	Tarr	
		4778486	Oct-88	Csillag et al.	

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/727,908
				Filing Date	11/30/2004
				First Named Inventor	Bill Pope
				Art Unit	3774
				Examiner Name	Amanda Walker
				Attorney Docket Number	3772.DIMC.CN
Sheet	2	of	5		

	4808185	Feb-89	Penenberg et al.	
	4822365	Apr-89	Walker et al.	
	4822366	Apr-89	Bolesky	
	4865603	Sep-89	Noiles	
	4925701	May-90	Jansen et al.	
	4931068	Jun-90	Dismukes et al.	
	4979957	Dec-90	Hodorek	
	5002577	Mar-91	Bolesky et al.	
	5002731	Mar-91	Crook et al.	
	5009673	Apr-91	Cho	
	5011515	Apr-91	Frushour	
	5030233	Jul-91	Ducheyne	
	5037423	Aug-91	Kenna	
	5082359	Jan-92	Kirkpatrick	
	5108432	Apr-92	Gustavson	
	5128146	Jul-92	Hirayama et al.	
	5133757	Jul-92	Sioshansi et al.	
	5152794	Oct-92	Davidson	
	5152795	Oct-92	Soishansi et al.	
	5154023	Oct-92	Sioshani	
	5180394	Jan-93	Davidson	
	5192323	Mar-93	Shetty et al.	
	5211726	May-93	Slutz et al.	
	5236545	Aug-93	Pryor	
	5248317	Sep-93	Tank et al.	
	5258022	Nov-93	Davidson	
	5308412	May-94	Shetty et al.	
	5330481	Jul-94	Hood et al.	
	5330826	Jul-94	Taylor et al.	
	5358525	Oct-94	Fox et al.	
	5370694	Dec-94	Davidson	
	5372660	Dec-94	Davidson et al.	
	5380547	Jan-95	Higgins	
	5383934	Jan-95	Armini et al.	
	5387247	Feb-95	Vallana et al.	
	5391407	Feb-95	Dearnaley	
	5391408	Feb-95	Piera	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/727,908
				Filing Date	11/30/2004
				First Named Inventor	Bill Pope
				Art Unit	3774
				Examiner Name	Amanda Walker
				Attorney Docket Number	3772.DIMC.CN
Sheet	3	of	5		

	5391409	Feb-95	Shibata et al.	
	5391422	Feb-95	Omori et al.	
	5414049	May-95	Sun et al.	
	5415704	May-95	Davidson	
	5458827	Oct-95	Holly	
	5478906	Dec-95	Howard, Jr.	
	5480683	Jan-96	Chabrol et al.	
	5507804	Apr-96	Llanos	
	5507814	Apr-96	Gilbert et al.	
	5507824	Apr-96	Lennox	
	5508368	Apr-96	Knapp et al.	
	5512235	Apr-96	Cerutti et al.	
	5530072	Jun-96	Shirodkar	
	5554415	Sep-96	Turchan et al.	
	5571616	Nov-96	Phillips et al.	
	5593719	Jan-97	Dearnaley et al.	
	5620754	Apr-97	Turchan et al.	
	5628824	May-97	Vohra et al.	
	5635243	Jun-97	Turchan et al.	
	5641323	Jun-97	Caldarise	
	5643641	Jul-97	Turchan et al.	
	5702448	Dec-97	Buechel et al.	
	5725573	Mar-98	Dearnaley et al.	
	5766394	Jun-98	Anderson et al.	
	5773140	Jun-98	Cerutti et al.	
	5780119	Jul-98	Dearnaley et al.	
	5824651	Oct-98	Nanci et al.	
	5830539	Nov-98	Yan et al.	
	5855996	Jan-99	Corrigan et al.	
	5868796	Feb-99	Buechel et al.	
	5895388	Apr-99	Zobel	
	5916269	Jun-99	Serbousek , et al.	
	5947893	Sep-99	Agrawal et al.	
	5981827	Nov-99	Devilin et al.	
	6063149	May-00	Zimmer	
	6077148	Jun-00	Klein et al.	
	6183818	Feb-01	Vohra et al.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/727,908
		Filing Date	11/30/2004
		First Named Inventor	Bill Pope
		Art Unit	3774
		Examiner Name	Amanda Walker
		Attorney Docket Number	3772.DIMC.CN
Sheet	4 of 5		

		6207218	Mar-01	Layrolle et al.	
		6221108	Apr-01	Smith	
		6773520	Aug-04	Fehring et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number Code <sup>3</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		GB 2 283 772	May-95	Camco Drilling		
		GB 2 290 326	Dec-95	Camco Drilling		
		GB 2 290 327	Dec-95	Camco Drilling		
		GB 2 290 328	Dec-95	Camco Drilling		
		JP 9173437	Jul-97	Kyocera Corp.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		ISTA Symposium Presentation, September 1997	
		ISTA Symposium Presentation, October 1998	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/727,908
				Filing Date	11/30/2004
				First Named Inventor	Bill Pope
				Art Unit	3774
				Examiner Name	Amanda Walker
				Attorney Docket Number	3772.DIMC.CN
Sheet	5	of	5		

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		4714473	Dec-87	Bloebaum	
		4865606	Sep-89	Rehder	
		4892547	Jan-90	Brown	
		4944756	Jul-90	Kenna	
		4959071	Sep-90	Brown et al.	
		4964867	Oct-90	Boger	
		4964868	Oct-90	Bloebaum	
		5019103	May-91	Van Zile et al.	
		5037439	Aug-91	Albrektsson et al.	
		5092895	Mar-92	Albrektsson et al.	
		5133758	Jul-92	Hollister	
		5147405	Sep-92	Van Zile et al.	
		5171282	Dec-92	Pequignot	
		5194066	Mar-93	Van Zile	
		5197987	Mar-93	Koch et al.	
		5326361	Jul-94	Hollister	
		5330532	Jul-94	Ranawat	
		5358529	Oct-94	Davidson	
		5370700	Dec-94	Sarkisian et al.	
		5411555	May-95	Nieder	
		5514183	May-96	Epstein et al.	
		5755800	May-98	O'Neil et al.	
		5766255	Jun-98	Slamin et al.	
		5824101	Oct-98	Pappas	
		6800095	Oct-04	Pope et al.	
		7077867	Jul-06	Pope et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number Code <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.